

[JP,3059476,U]

Japanese (PDF)

File Wrapper Information

FULL CONTENTS CLAIM + DETAILED DESCRIPTION  
TECHNICAL FIELD PRIOR ART TECHNICAL PROBLEM MEANS  
DESCRIPTION OF DRAWINGS DRAWINGS

[Translation done.]

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**Notes:**

1. Untranslatable words are replaced with asterisks (\* \*\* \*).
2. Texts in the figures are not translated and shown as it is.

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Dictionary: Last updated 05/13/2011 / Priority:

**FULL CONTENTS****[Claims]**

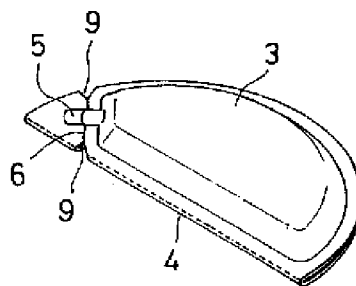
[Claim 1] In a symmetrical position which right and left were equipped with a pair of storage trays on both sides of a center line of a main part of a container formed for a material which made a synthetic resin provided with firmness a subject, and sandwiched a center line of said main part of a container, And while free passage connection of the bung hole of predetermined length which was formed in symmetrical shape and went to an edge of this main part of a container is carried out at an upper end of each of said storage tray, A 2 liquid mixing vessel, wherein lid material pastes the upper surface of this main part of a container, and said storage tray and a bung hole are sealed and this main part of a container is folded in half by said center line.

[Claim 2] On both sides of a center line of a main part of a container of formed disk shape, a synthetic resin provided with firmness for a material made into a subject in a symmetrical position, In and a symmetrical position which a pair of storage trays formed in crescent symmetrical shape were equipped, and sandwiched a center line of said main part of a container, And it comes to carry out free passage connection of the bung hole of predetermined length which was formed in symmetrical shape and went to an edge of this main part of a container at an upper end of each of said storage tray, A 2 liquid mixing vessel in which lid material pastes the upper surface of this main part of a container, and said storage tray and a bung hole are blocked, and this main part of a container is characterized by being folded in half so that this lid material may polymerize mutually by said center line.

[Claim 3] A 2 liquid mixing vessel which lid material characterized by comprising the following pasting up mutually in the edge part, coming

Drawing selection

Representative draw



3 ... 収容トレー  
 4 ... ミシン目  
 5 ... 注出口  
 6 ... ハーフカット

[Translation done.]

to form a storage part by two crevices, and folding in half by said center line.

A main part of a container formed in a symmetrical position on both sides of a center line for a material which made a subject a synthetic resin provided with firmness which was formed in bottle shape in a storage tray and a bung hole, and was provided with a crevice.

It is formed for the same material as this main part of a container, and is a crevice of the same bottle shape.

[Claim 4]The 2 liquid mixing vessel according to claim 3 in which one pair of storage part is established at a time in right and left on both sides of said center line.

[Claim 5]The 2 liquid mixing vessel according to any one of claims 1 to 3 in which a half cut is provided in an omitted portion of the length direction of a bung hole portion.

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[A detailed explanation of the device]

[0001]

[A technical field to which a device belongs]

This design is related with a container which accommodates a 2 liquid mixing vessel, two liquid which needs to be mixed in more detail just before use, such as solution of hair coloring, adhesives of 2 liquefaction, cream, sugar, or syrup, for example, powder, etc.

Although a 2 liquid mixing vessel concerning this design is applicable to an article stored at a granular material etc. not only a fluid (gel) but in addition to it, it is called a 2 liquid mixing vessel for convenience below.

[0002]

[Description of the Prior Art]

When the example was taken to hair coloring, two solution mixed together and carried out was conventionally stored in the separate bottle, and after pouring out solution from these bottles just before use, respectively, it was used, having mixed and was used, having moved to another container. Also when coffee was drunk, cream, sugar, or syrup is accommodated in the different container, respectively, and the coffee cup was separately filled with it.

[0003]

However, generally, by this conventional technique, solution, powder, etc. always needed to be pressed out or poured out 2 times, handling troubled, and there was a fault.

[0004]

[Problem(s) to be Solved by the Device]

then, let it be SUBJECT to have been variously suggested as a result of research, in order to cancel the fault of this conventional technique, for this design to boil handling markedly, and to make it easily, and also to pour it out, and to make a broth and mixture still easier.

[0005]

[Means for solving problem]

In order to attain above-mentioned SUBJECT, [ a device given / this / in Claim 1 ] In the symmetrical position which right and left were equipped with a pair of storage trays on both sides of the center line of the main part of a container formed for the material which made the synthetic resin provided with firmness the subject, and sandwiched the

center line of said main part of a container, And while free passage connection of the bung hole of the predetermined length which was formed in symmetrical shape and went to the edge of this main part of a container is carried out at the upper end of each of said storage tray, It is that lid material pastes the upper surface of this main part of a container, and said storage tray and a bung hole are sealed, and this main part of a container is folded in half by said center line.

[0006]

According to this means, since two storage trays are the forms which folded in half and polymerized, the whole container is packed compactly. two storage trays which polymerized also when pouring out an accommodation thing -- at least -- a bung hole -- the upper end of the main part of a container -- it is located in the same position, and it is pressing two storage trays by a fingertip etc., and each accommodation thing is poured out at once by the same part.

[0007]

Therefore, this device has the following effect.

since the whole container is compactly packed as aforementioned, the storage to a package and the handling at the time of pour are markedly alike, and become easy, for example. Since each accommodation thing poured out from two storage trays can be poured out at once in the same part, two accommodation things pour, and a broth is easy, or it is easy to mix.

[0008]

In this device, as indicated to Claim 2, on both sides of the center line of the main part of a container of the formed disk shape, a synthetic resin provided with firmness for the material made into the subject in a symmetrical position, In and the symmetrical position which a pair of storage trays formed in crescent symmetrical shape were equipped, and sandwiched the center line of said main part of a container, And it comes to carry out free passage connection of the bung hole of the predetermined length which was formed in symmetrical shape and went to the edge of this main part of a container at the upper end of each of said storage tray, Lid material pastes the upper surface of this main part of a container, and said storage tray and a bung hole are blocked, and this main part of a container can adopt the composition by which this lid material was folded in half by said center line so that it might polymerize mutually. it is because two storage trays are folded up as the lid material polymerizes mutually, so \*\* of the whole container can be boiled markedly, and can be summarized compactly, and also polymerization adhesion of the two bung holes is carried out and mixture and pour of an accommodation thing can carry out more exactly.

[0009]

The main part of a container formed in the symmetrical position on both sides of the center line for the material which made the subject the synthetic resin provided with firmness which was formed in bottle shape on the bung hole and the storage tray, and was provided with the storage part as indicated to Claim 3, It is desirable to come mutually to carry out polymerization adhesion of the lid material formed in the same material and shape as this main part of a container in that edge part, and to adopt the composition folded in half by said center line. It is because it can form without being able to constitute in slim shape longwise as the whole container, and being bulky in a package, since the storage part is bottle shape.

[0010]

As for a storage part, like the description to Claim 4, it is desirable to adopt the composition which it provides one pair at a time in right and left on both sides of said center line. It is because the quantity of the intake capacity of an accommodation thing can be increased and it is economical.

[0011]

It is desirable for the half cut to be provided in the omitted portion of the length direction of a bung hole portion, and to adopt the composition which makes opening of a bung hole easy like the description to Claim 5.

[0012]

[The embodiment of a device]

The embodiment of a device is described with reference to Drawings. (A 1st embodiment)

Drawing 1 - drawing 5 show a 1st embodiment at the time of applying the 2 liquid mixing vessel concerning this design to the hair coloring container of 2 liquefaction.

The main part 1 of a container illustrated is formed from the polyolefin system which added minerals powder, for example, especially the sheet which consists of polypropylene regins, and is provided with firmness. In addition, the lamination sheet of polyethylene, and polyethylene / aluminum / polyethylene, the lamination sheet of polyethylene / vapor deposition PET / polyethylene, etc. are adopted.

Are said polypropylene system sheet, and also composition is sheets, such as a 20-150-micrometer-thick polypropylene homopolymer and an ethylene propylene copolymer, concretely. As said minerals powder, it is used as a minerals bulking agent of the conventional plastics, such as calcium carbonate, and the loadings are 10 to 60 weight %.

[0013]

As shown in drawing 2, this main part 1 of a container is a plane view round shape, and a pair of storage trays 3 are formed in a symmetrical position on both sides of that right-and-left center line 2. For example by publicly known techniques, such as a vacuum forming method, this storage tray 3 is formed in the shape of a semicircle, and it is formed so that that circle may turn to the method of outside, respectively. The perforations 4 are engraved on the main part 1 of a container along said center line 2 top.

[0014]

And from the upper end part of this storage tray 3, while the base 5A is opened for free passage by the symmetrical position in this storage tray 3 on both sides of said center line 2, the bung hole 5 in which the tip 5B projected and was installed toward the periphery 1A of the main part 1 of a container is formed. The half cut 6 is formed in the direction which crosses this bung hole 5 in the omitted portion at the base 5A of this bung hole 5, and the tip 5B.

[0015]

one side of each of said storage tray 3 -- the 1st liquid (gel) A -- after restoration storage of the 2nd liquid (gel) B is carried out on another side, as shown in drawing 3, the lid material 7 polymerizes on this main part 1 of a container, and it pastes up on the superior border 8 of the main part 1 of a container (it heat seals as an example). Therefore, the storage tray 3 and the bung hole 5 will be completely sealed by the lid material 7.

[0016]

And along said center line 2, it is folded in half at said lid material 7 side, it pastes up in said superior border 8 portion again after that (it heat seals as an example), and this main part 1 of a container changes, as shown in drawing 4. By being constituted in this way, as said storage tray 3 is shown in drawing 1, it polymerizes mutually and the bung hole 5 also polymerizes in the up-and-down direction mutually collectively in the up-and-down direction.

[0017]

as shown in drawing 5, extrusion of 2 liquid is easy, and also mixture of 2 liquid boils markedly the hair coloring container constituted in this way, and it becomes easy. moreover -- since the main part 1 of a container shrinks in half \*\* -- a package -- markedly -- \*\*\*\* -- it can form low.

[0018]

Nine in a figure is \*\*\*\*\* provided in the start edge of said half cut 6, and a termination, and it is provided in order to make cutting of the half cut 6 easier.

[0019]

It is preferred to form a resin film layer in the polypropylene system sheet surface containing said minerals powder. Any of the method of applying the method or plastic paint which laminates a resin film as a means to form this resin film layer may be sufficient. And as for this resin film, it is preferred to laminate polyolefin system resin, such as polyethylene and polypropylene, and, as for that thickness, 1-20 micrometers is preferred. The extrusion laminating method the concrete technique of lamination carries out melting extrusion of the olefin system resin on a polypropylene system sheet surface, The co-extrusion laminating method which carries out melting extrusion of the olefin system resin simultaneous when producing a polypropylene system sheet, Publicly known techniques, such as the dry ramet method which pastes a polypropylene system sheet together using proper adhesives, are adopted in the film by the olefin system resin produced beforehand.

[0020]

(A 2nd embodiment)

Drawing 6 - drawing 8 show a 2nd embodiment at the time of applying the 2 liquid mixing vessel concerning the device to a hair coloring container.

As shown in drawing 7 and drawing 8, on both sides of the center line 2, this 2nd embodiment, [ a symmetrical position ] The main part 1 of a container which was formed in bottle shape in the storage tray 3 and the bung hole 5, and was provided with the crevice 10 and which was formed for the material which made the subject the synthetic resin provided with said firmness, Are formed for the same material as this main part 1 of a container, the lid material 7 provided with the crevice 11 of the same bottle shape pastes up mutually by those peripheries 12 and 13, and it comes to form the storage part 14 by two crevices, and as shown in drawing 6, it is folded in half by said center line 2.

[0021]

It is as follows when it explains concretely.

On both sides of the center line 2, the crevice 10 of the bottle shape of half-rate type is formed in the symmetrical position in the bung hole 5 where section shape was mostly formed successively by the storage tray 3 in which \*\* ON was carried out and its upper end of the semi-circle as said main part 1 of a container is shown in drawing 7. And the lid

material 7 is also provided with the same shape structure as this main part 1 of a container, and the crevice 11 is formed.

[0022]

As shown in drawing 7, polymerization adhesion (it heat seals as an example) of the edge (periphery) 13 of said lid material 7 is carried out to the superior border (periphery) 12 of this main part 1 of a container, and as shown in drawing 8, the bottle-shaped storage part 14 is formed of said crevices 10 and 11 formed in this storage tray 3 and bung hole 5.

[0023]

And as shown in drawing 6, the main part 3 of a container and the lid material 5 are folded in half by the perforations 4 currently formed along said center line, the storage part 14 of one pair of right and left polymerizes up and down, and the storage tray 3 and the bung hole 5 polymerize mutually, respectively.

[0024]

Since a hair coloring container formed by this 2nd embodiment is formed in bottle shape, a container can form in longwise slim shape, a package is not bulky, and it is convenient.

[0025]

In this 2nd embodiment, by an example of a figure, although said storage tray 3 is formed by every one right and left of a center line, and not illustrated, composition in which every a pair of right and left 3, i.e., a total of four storage trays, are formed is also employable if needed. It is because the quantity of intake capacity of liquid can be increased and it is economically advantageous.

[0026]

Nine in a figure is \*\*\*\*\* provided in the start edge of said half cut 6, and a termination, and it is provided in order to make cutting of this half cut 6 easier.

Each structure described in a mode of each operation above can be carried out combining each independently suitably to plurality.

#### [Brief Description of the Drawings]

[Drawing 1] It is an outline view showing a 1st embodiment at the time of applying the 2 liquid mixing vessel concerning this design to a hair coloring container.

[Drawing 2] It is an exploded perspective view of the container shown in drawing 1.

[Drawing 3] It is a transverse cross section of the container shown in drawing 1.

[Drawing 4] It is an explanatory view showing the manufacture process of the container shown in drawing 1.

[Drawing 5] It is an explanatory view of an operation of the container shown in drawing 1.

[Drawing 6] It is an outline view showing a 2nd embodiment at the time of applying the 2 liquid mixing vessel concerning this design to a hair coloring container.

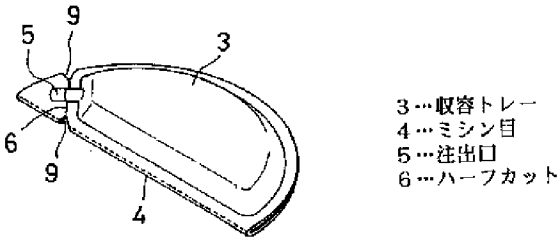
[Drawing 7] It is an exploded perspective view of the container shown in drawing 5.

[Drawing 8] It is an explanatory view showing the manufacture process of the container shown in drawing 5.

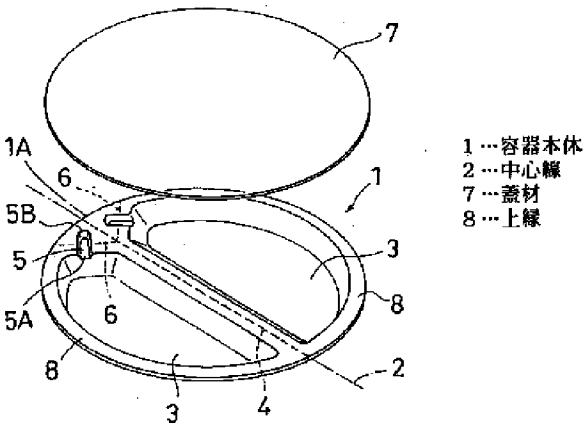
[Explanations of letters or numerals]

1 [ -- Perforations, 5 / -- A bung hole, 6 / -- A half cut, 7 / -- Lid material, 8 / -- A superior border, 9 / -- \*\*\*\*\*, 10 11 / -- A crevice, 12, 13 / -- A periphery, 14 / -- A storage part, A / -- The 1st liquid, B / -- The 2nd liquid. ] -- The main part of a container, 2 -- A center line, 3 -- A storage tray, 4

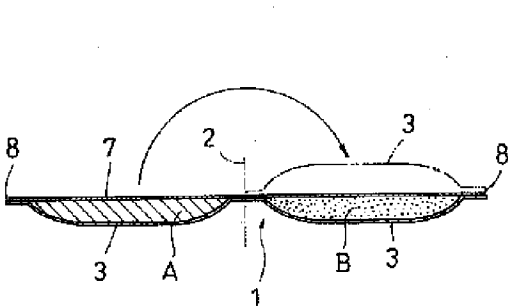
[Drawing 1]



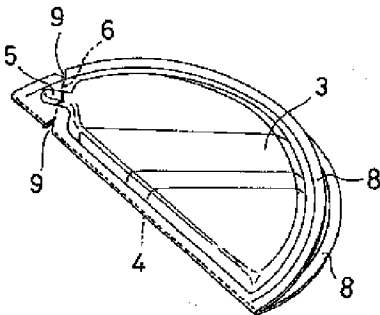
[Drawing 2]



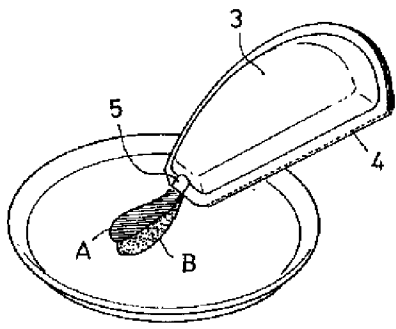
[Drawing 3]



[Drawing 4]

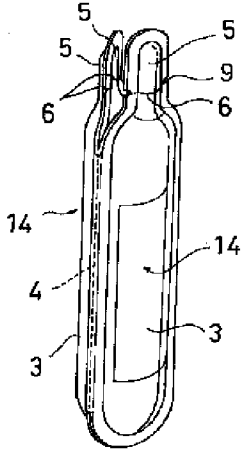


[Drawing 5]



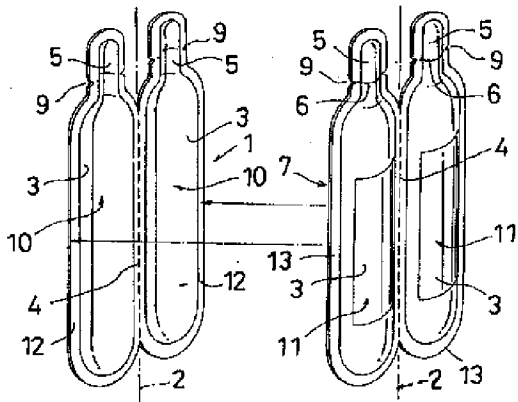
A...第1収納物  
B...第2収納物

[Drawing 6]



14...収納物

[Drawing 7]



1...容器本体  
7...蓋材

10, 11...凹部  
12, 13...周縁

[Drawing 8]

